SARGENT

REG. U.S. PAT. OFF.

Tools

LOCKS AND HARDWARE

Plane Pointers

The Plane is essentially a finishing tool and while adapted for use in bringing down wood surfaces to a desired thickness, owing to its construction it will produce this result more gradually than a hatchet or a mattock. For this reason it is the **last tool** to be used in finishing a wood surface.

Guaranteed by the Manufacturers

SARGENT Planes have justly obtained an enviable reputation for excellence of material and workmanship. They are fully guaranteed and all dealers are authorized to take back or exchange if found defective in any particular.

Cutters of all Sargent Planes are now made of special alloy steel known as Chromium Steel. Chromium is an element which, when added to steel, produces extra toughness and wear resisting properties. Sargent Cutters made from this steel will hold a keen edge for an unusually long period of service.

The Iron Plane. The principal advantage of the iron plane lies in the fact that its contact surfaces wear well, which avoids the necessity of frequent "truing-up".

The Smooth Plane, in length not more than 12 inches, is adapted for finishing off an uneven surface. Owing to its small size it will find its way into minor depressions of the wood without taking off much material. In this it differs from the Jointer Plane, which is primarily for use on large areas. Both types of Planes are finishing planes, but, of the two, the Jointer is for finer work.

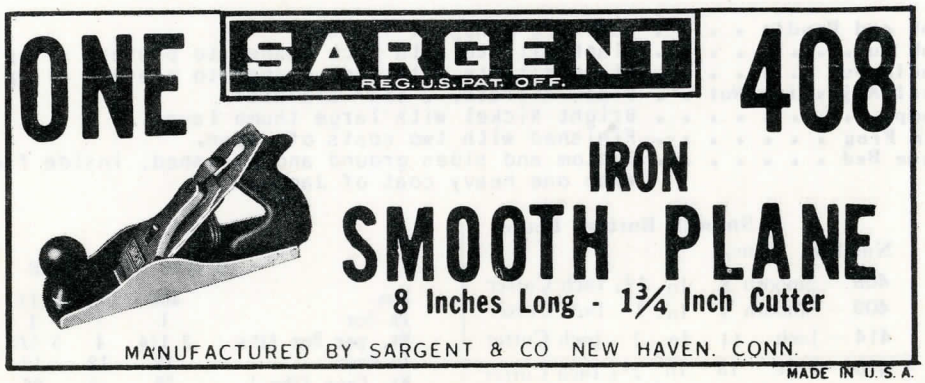
The Jack Plane (14 or 15 inches in length) is for coarse work and is to be used either on rough surfaces or where a considerable chip is to be taken off. Long and heavy enough to make it a powerful tool.

The Fore Plane is for the same purpose as the Jointer in fine finishing. Owing to the fact that it is shorter (length 18 inches) than the Jointer it is easier to handle, especially for a journeyman carpenter. May be used also as a Jack Plane. Where a carpenter has neither Jack nor Jointer he can make a Fore Plane serve for both, although it will not give as good service as either of the other two in the work for which they are adapted.

The Jointer Plane may be anywhere from 20 to 30 inches in length. Its great length and weight keep the cutter from tearing the wood and with the cutter set fine it is the plane for obtaining the smoothest finishes. As its name indicates, it will take down, better than other types of planes, two wood surfaces that are to be brought together where a very close fit is required.

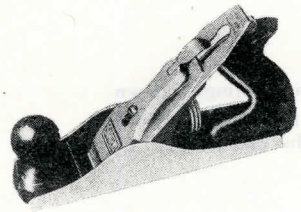
The Block Plane—usually 7 inches or less—is for end work. Built to hold in the palm of the hand and may be used with either one or two hands. With the low angle block plane, because the cutter is set very low, a shearing cut is secured, which makes its use desirable in cross-grained wood, as cutter is not as apt to follow and split the grain.

These distinctive standardized labels simplify the selling of Sargent Tools

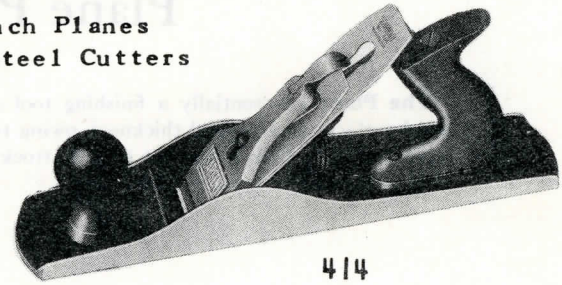


Planes

Iron Bench Planes
Chromium Steel Cutters



408, 409



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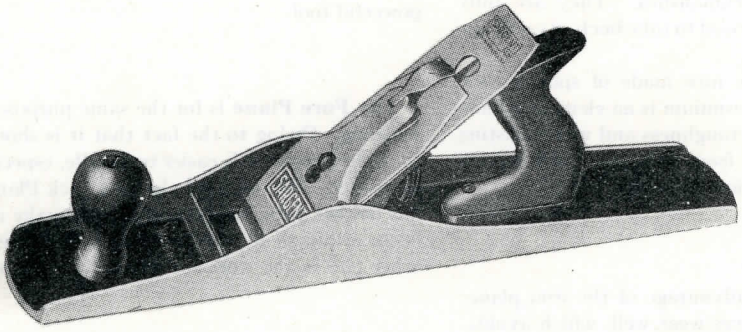
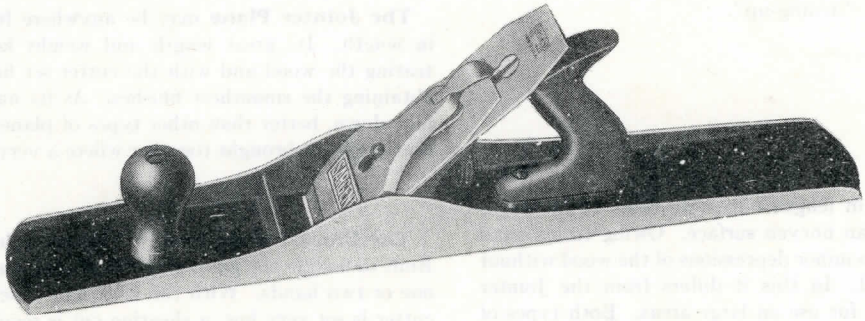


418



422

ADJUSTABLE

Polished Trimmings. Hardwood Handle And Knob, Mahogany Finish

With Side Adjustment for exact adjusting of Cutter with face of Plane

Knob and Handle	Hardwood mahogany finish.
Knob Nut	Black Nitrate with lock washer to prevent slipping.
Handle Nut	Black Nitrate with lock washer to prevent slipping.
Steel Adjusting Nut	Black Nitrate, 2 1/4" diameter.
Clamp	Bright Nickel with large thumb lever.
Iron Frog	Finished with two coats of Japan.
Plane Bed	Bottom and sides ground and polished, inside finished with one heavy coat of Japan.

Smooth Bottom Planes

Numbers Plane,

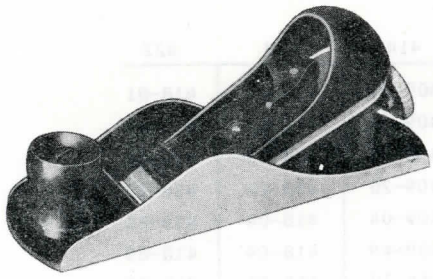
408	— Smooth 8	In, 1¾ Inch Cutter
409	— Smooth 9	In, 2 Inch Cutter
414	— Jack 14	In, 2 Inch Cutter
418	— Fore 18	In, 2⅜ Inch Cutter
422	— Jointer 22	In, 2⅜ Inch Cutter

PACKING AND WEIGHTS

Nos.	408	409	414	418	422
In Box	1	1	1	1	1
Wt. per Box (lbs.)	3 1/4	4	5 1/2	7 1/2	8 3/4
In Case	12	12	12	8	8
Wt. Case (lbs.)	39	48	66	60	70

Planes

IRON BLOCK PLANES. CHROMIUM STEEL CUTTERS



217

Bottom and Sides Polished

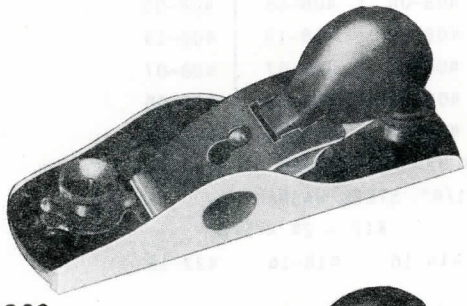
Clamp and Inside of Bed Black Finish

No. 217 - 7 Inches, 1 5/8 Inch Cutter

WITH SCREW ADJUSTMENT AND ADJUSTABLE MOUTH

Side Adjustment for exact adjusting of Cutter with face of Plane

Knuckle Joint



5306
5307

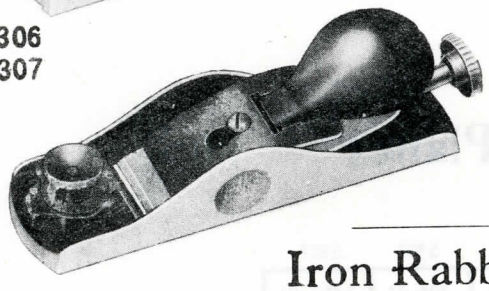
Bottom and Sides Polished
Clamp and Inside of Bed Black Finish

No. 5306 — 6 Inches, 1⅝ Inch Cutter
No. 5307 — 7 Inches, 1⅝ Inch Cutter

WITH SCREW ADJUSTMENT AND ADJUSTABLE MOUTH

Low Angle

Knuckle Joint

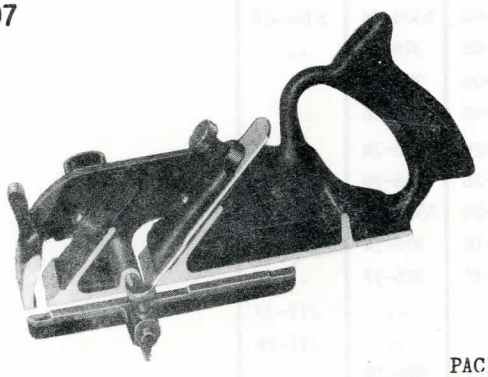


5607

Bottom and Sides Polished
Clamp and Inside of Bed Black Finish

No. 5607 — 7 Inches 1⅝ Inch Cutter

Iron Rabbet and Filletster Plane



79

With Depth Gauge and Spur

Removable Arm and Fence

Two seats for Cutter. When Cutter is placed in forward seat Plane can be used as a Bull-Nose Rabbet. Arm and Fence can be placed on either side of Plane, making a right or left hand Filletster.

Japanned Finish; Bottom and Side Edges Polished

No. 79 — 8½ Inches, 1½ Inch Cutter

PACKING AND WEIGHTS

Numbers	5306	5307	5607	217	79
In Box	1	1	1	1	1
Wt. Per Box (lbs.)	1 1/2	1 1/2	1 1/2	1 1/2	3 1/2
In Case	24	24	24	24	8
Wt. Per Case (lbs.)	36	36	36	36	28

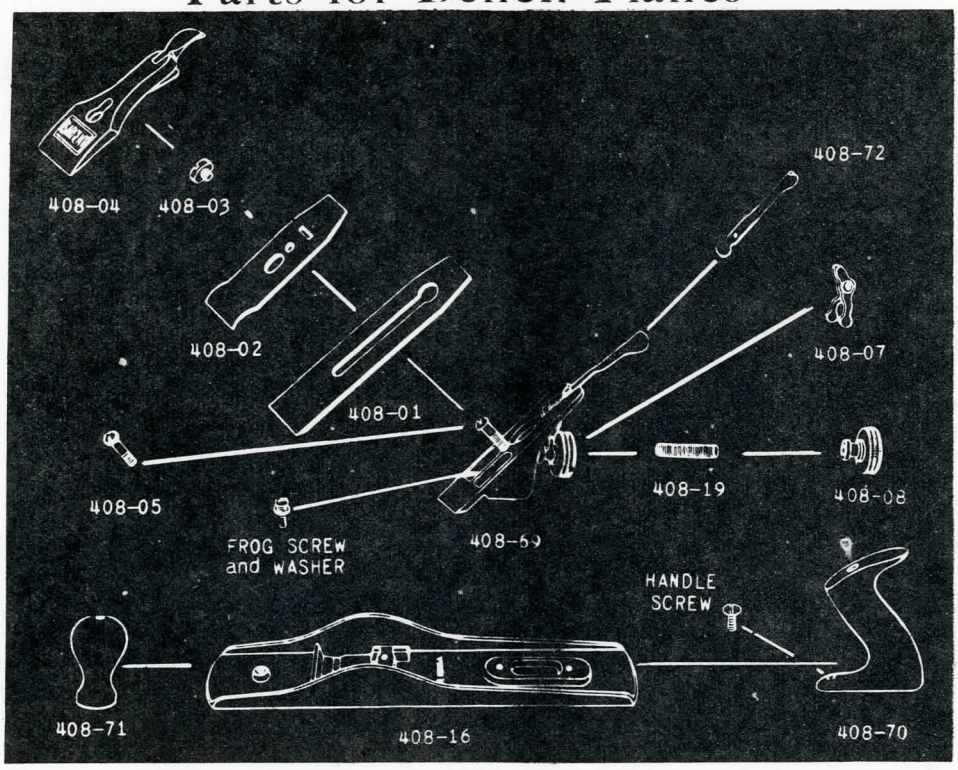
Parts for Bench Planes

PART NAME	408	409	414	418	422
CUTTER	408-01	409-01	409-01	418-01	418-01
CAP	408-02	409-02	409-02	418-02	418-02
CAP SCREW	408-03	408-03	408-03	408-03	408-03
CUTTER, CAP AND SCREW ASSEMBLY	408-20	409-20	409-20	418-20	418-20
CLAMP ASSEMBLY	408-04	409-04	409-04	418-04	418-04
FROG COMPLETE	408-69	409-69	409-69	418-69	418-69
HANDLE SCREWS AND WASHERS	408-70	408-70	414-70	414-70	414-70
KNOB - SCREW AND WASHERS	408-71	408-71	414-71	414-71	414-71
ADJUSTING NUT	408-08	408-08	408-08	408-08	408-08
ADJUSTING SCREW	408-19	408-19	408-19	408-19	408-19
FORK ASSEMBLY	408-07	408-07	408-07	408-07	408-07
CLAMP SCREW	408-05	408-05	408-05	408-05	408-05
LATERIAL ADJ. LEVER & RIVET	408-72	408-72	408-72	408-72	408-72
FROG SCREW - 2 per PLANE	#12-24 x 5/8 FILLETSTER				
FROG SCREW WASHER-2 per PLANE	STANDARD 1/4" STEEL WASHER				
HANDLE SCREW	NONE	NONE	#12 - 24 x 5/8		
BED	408-16	409-16	414-16	418-16	422-16

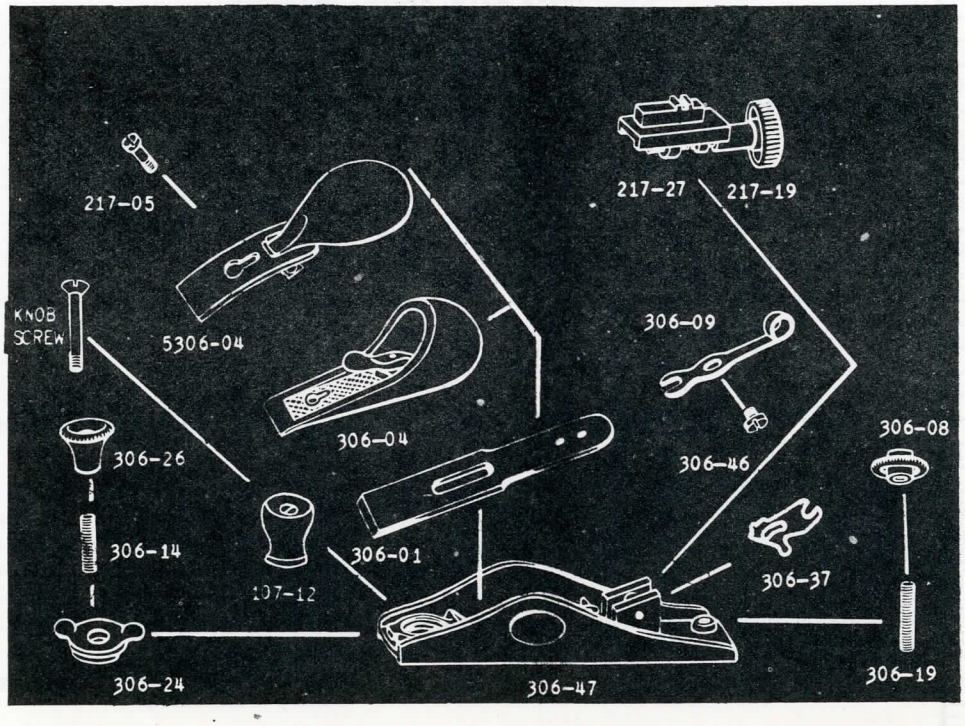
Parts for Block Planes

PART NAME	217	5306	5307	5607
CUTTER	5607-01	306-01	306-01	5607-01
CLAMP ASS'Y.	306-04	5306-04	5306-04	5306-04
ADJ. NUT	..	306-08	306-08	..
LAT'L. ADJ. LEVER	..	306-09	306-09	..
LEVER SCREW	..	306-46	306-46	..
CAM	..	306-24	306-24	306-24
KNOB NUT	..	306-26	306-26	306-26
CLAMP SCREW	217-05	5306-05	5306-05	217-05
KNOB NUT SCREW	..	306-14	306-14	306-14
ADJ. LEVER	..	306-37	306-37	..
ADJ. SLIDE	217-27	..	..	217-27
ADJ. SCREW	217-19	..	..	217-19
ADJ. NUT SCREW	..	306-19	306-19	..
BED	217-16	306-47	307-47	5607-47
BED & FROG ASS'Y.	..	..	..	..
KNOB SCREW	#10-24 x 1 F.H.S.M.S.	..	..	..
WOOD KNOB	107-12	..	..	..

Parts for Bench Planes



Parts for Block Planes



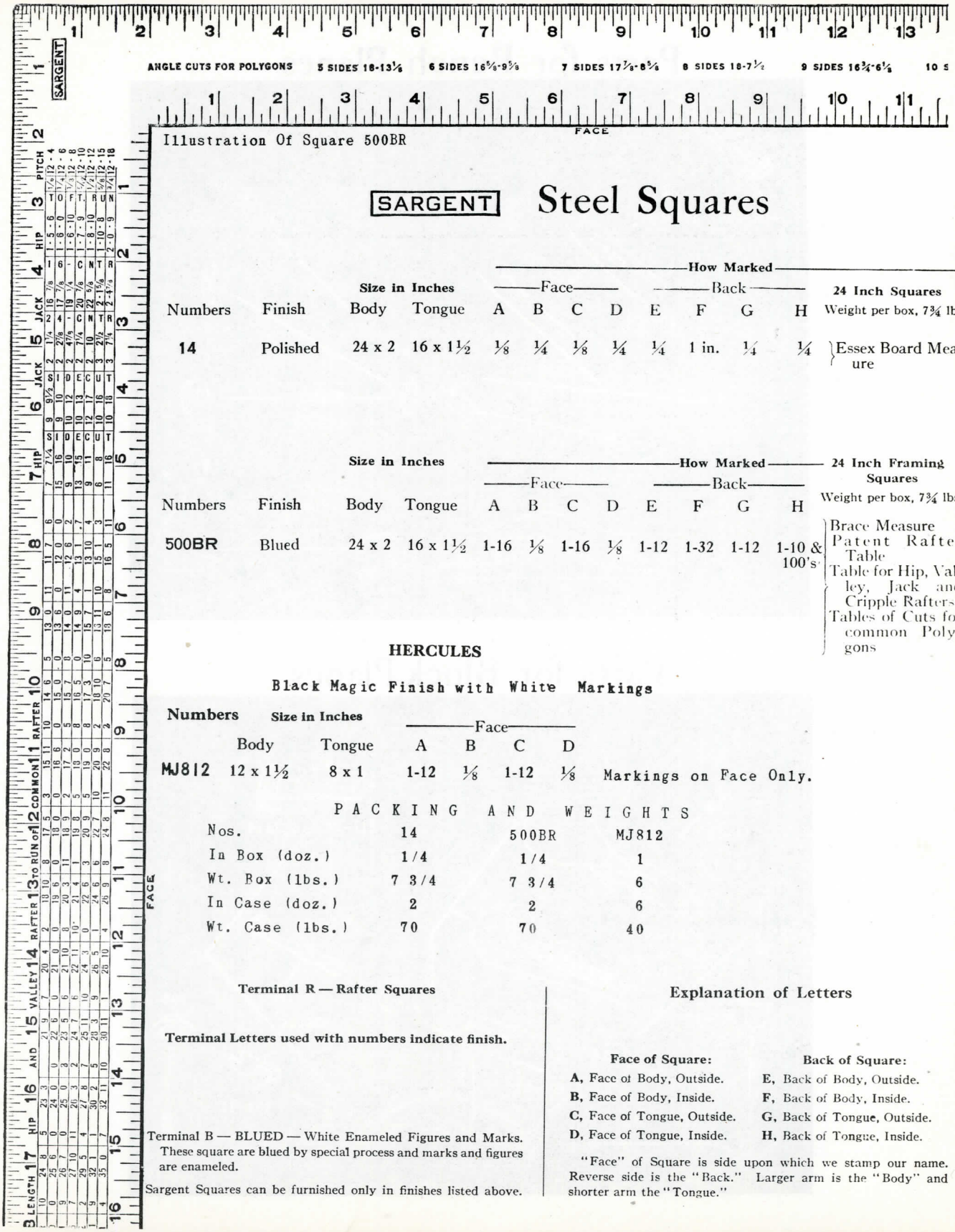


Illustration Of Square 500BR

SARGENT Steel Squares

Numbers	Finish	Size in Inches Body	Tongue	How Marked — Face A	B	C	D	Back E	F	G	H	24 Inch Squares Weight per box, 7¾ lbs.
14	Polished	24 x 2	16 x 1½	⅛	¼	⅛	¼	¼	1 in.	¼	¼	Essex Board Measure

Numbers	Finish	Size in Inches Body	Tongue	How Marked — Face A	B	C	D	Back E	F	G	H	24 Inch Framing Squares Weight per box, 7¾ lbs.
500BR	Blued	24 x 2	16 x 1½	1-16	⅛	1-16	⅛	1-12	1-32	1-12	1-10 & 100's	Brace Measure Patent Rafter Table Table for Hip, Valley, Jack and Cripple Rafters Tables of Cuts for common Polygons

HERCULES

Black Magic Finish with White Markings

Numbers	Size in Inches Body	Tongue	Face A	B	C	D	
MJ812	12 x 1½	8 x 1	1-12	⅛	1-12	⅛	Markings on Face Only.

PACKING AND WEIGHTS

Nos.	14	500BR	MJ812
In Box (doz.)	1/4	1/4	1
Wt. Box (lbs.)	7 3/4	7 3/4	6
In Case (doz.)	2	2	6
Wt. Case (lbs.)	70	70	40

Terminal R — Rafter Squares

Terminal Letters used with numbers indicate finish.

Terminal B — BLUED — White Enameled Figures and Marks. These square are blued by special process and marks and figures are enameled.

Sargent Squares can be furnished only in finishes listed above.

Explanation of Letters

Face of Square:

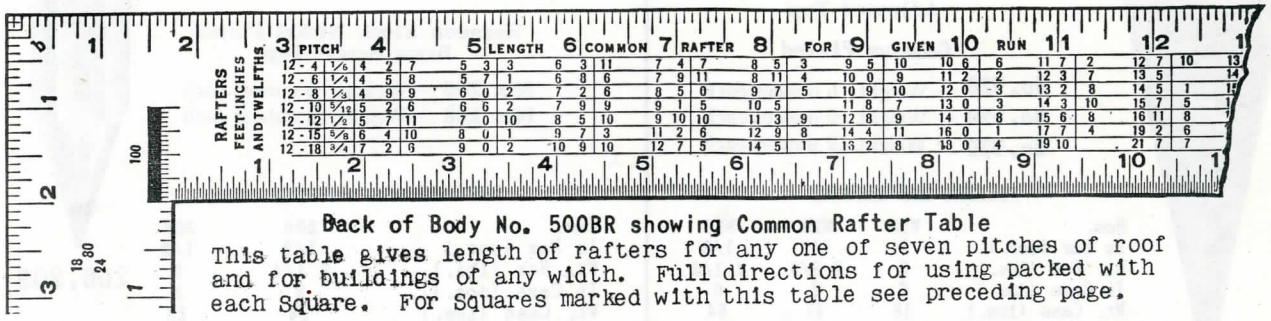
A, Face of Body, Outside.
B, Face of Body, Inside.
C, Face of Tongue, Outside.
D, Face of Tongue, Inside.

Back of Square:

E, Back of Body, Outside.
F, Back of Body, Inside.
G, Back of Tongue, Outside.
H, Back of Tongue, Inside.

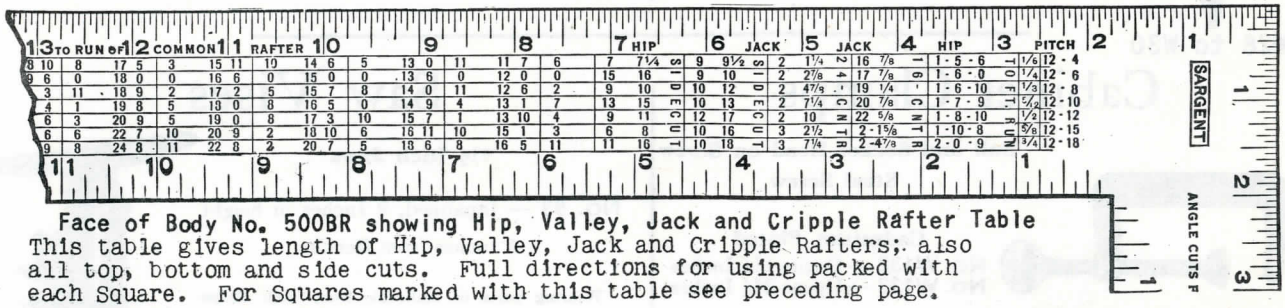
"Face" of Square is side upon which we stamp our name. Reverse side is the "Back." Larger arm is the "Body" and shorter arm the "Tongue."

Steel Squares



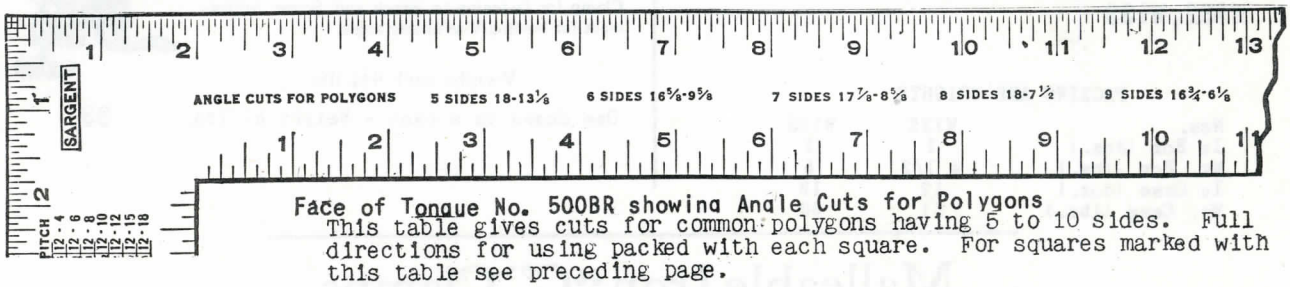
Back of Body No. 500BR showing Common Rafter Table

This table gives length of rafters for any one of seven pitches of roof and for buildings of any width. Full directions for using packed with each Square. For Squares marked with this table see preceding page.



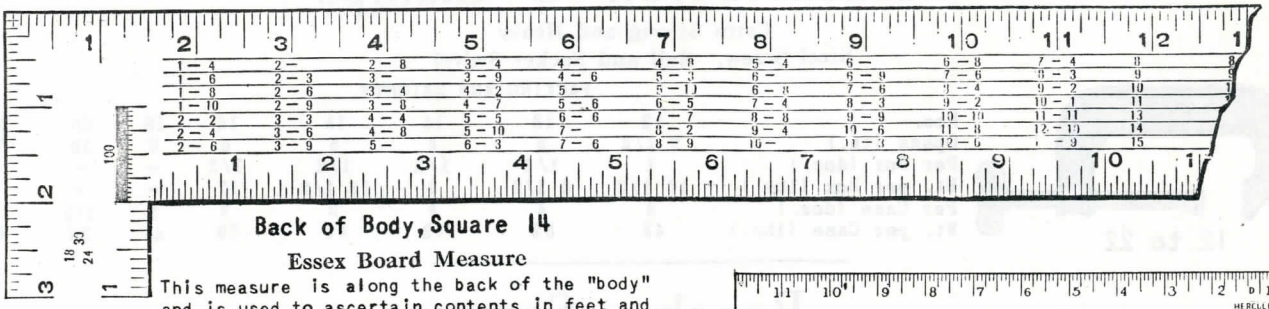
Face of Body No. 500BR showing Hip, Valley, Jack and Cripple Rafter Table

This table gives length of Hip, Valley, Jack and Cripple Rafters; also all top, bottom and side cuts. Full directions for using packed with each Square. For Squares marked with this table see preceding page.



Face of Tongue No. 500BR showing Angle Cuts for Polygons

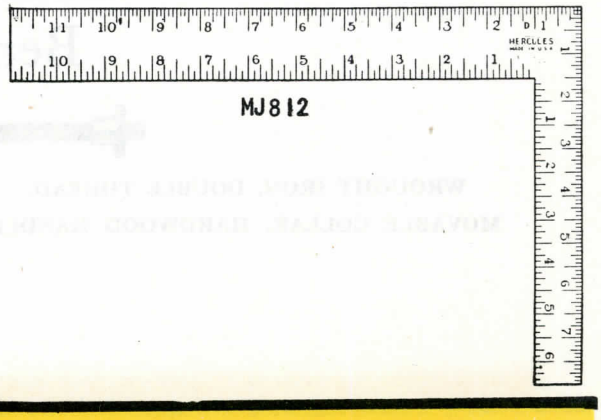
This table gives cuts for common polygons having 5 to 10 sides. Full directions for using packed with each square. For squares marked with this table see preceding page.



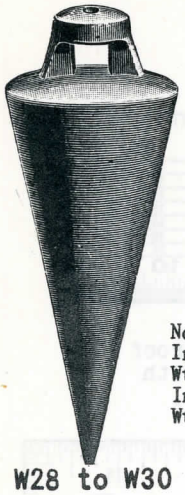
Back of Body, Square 14

Essex Board Measure

This measure is along the back of the "body" and is used to ascertain contents in feet and inches of boards of various lengths and widths. Full directions for using packed with each square. For squares marked with this measure see preceding pages.



Plumb Bobs



W28 to W30

Iron
Adjusted Top
Cadmium Plated

No. W28 — Weight 6 ounces each
No. W29 — Weight 9 ounces each
No. W30 — Weight 12 ounces each

PACKING AND WEIGHTS

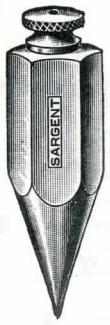
Nos.	W28	W29	W30
In Box (doz.)	1	1/2	1/2
Wt. Box (lbs.)	3	3 3/8	4 1/2
In Case (doz.)	6	6	6
Wt. Case (lbs.)	18	41	54

Hexagon Steel, Nickel Plated
Brass Screw Top

No. 206 — Weight 6 ounces each
No. 208 — Weight 8 ounces each

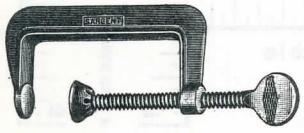
PACKING AND WEIGHTS

Nos.	206	208
In Box (doz.)	1/2	1/2
Wt. Box (lbs.)	2 1/4	3
In Case (doz.)	3	3
Wt. Case (lbs.)	14	18



206, 208

Cabinet Clamps



W132, W133

Ball and Socket Head on Screw
Steel Screw

Cadmium Plated
No. W132 — Opens 1⅞ Inches
No. W133 — Opens 2¾ Inches

PACKING AND WEIGHTS

Nos.	W132	W133
In Box (doz.)	1	1
Wt. Box (lbs.)	4 1/2	5
In Case (doz.)	12	12
Wt. Case (lbs.)	51	60

Saw Vises

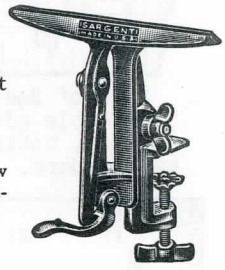
9½ Inch Jaws

No. 93 — Japanned, 9 Inches in height
6 Inches from Bench.

Wearing parts of malleable iron, with Screw Clamp for fastening to Bench and Screw Adjustment for holding Vise at any angle.

Weight each 4¾ lbs.

One dozen in a case - Weight 57 lbs.



93

Malleable Iron "C" Clamps

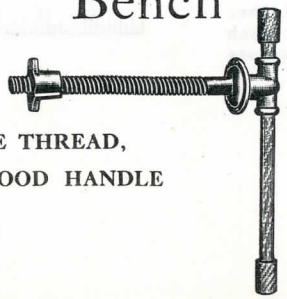
Extra Strong and Heavy
Steel Screw. Ball and Socket Swivel

12 to 22

PACKING AND WEIGHTS

Nos.	12	13	14	15	16	18	20	22
Opens (in.)	2 1/2	3	4	5	6	8	10	12
Per Box (doz.)	1	1/2	1/2	1/2	1/2	-	-	-
Wt. per Box (lbs.)	10 1/2	6 1/2	9	12 1/2	17	-	-	-
Per Case (doz.)	4	4	4	2	2	1	1/2	1/2
Wt. per Case (lbs.)	43	52	72	51	70	45	36	48

Bench Screws



40

WROUGHT IRON, DOUBLE THREAD,
MOVABLE COLLAR, HARDWOOD HANDLE

No. 40 — With Pinned Head

Diameter Worm, 1 1/8 inch
Length under collar, 13 1/2 inch
Worm threaded to 1 inch of Collar
Handle 15 1/4 inches long
1 dozen in case - Weight, 68 lbs.